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Yi-Hsien (Mike) Hsin

Objective

Recently graduated with an M.Sc. in Software Systems Engineering from University College London (UCL), I am a highly motivated IT professional poised to contribute to dynamic software engineering teams. My strong technical foundation in software development is complemented by effective interpersonal skills, adaptability, and a keen aptitude for learning and problem-solving. A collaborative team player, I thrive in diverse environments and am committed to delivering innovative solutions as a software engineer.

Education

University College London – **M.Sc Software Systems Engineering**   (*September 2022 – September 2023*)
Dalhousie University – **Bachelor of Applied Computer Science**   (*September 2020 – August 2022*)
Nova Scotia Community College – **Diploma in IT Data Analytics**   (*September 2018 – June 2020*)

Project Experience

Bloomberg & UCL Project – Summer Intern (*June – September 2023***)**
- **Specifications and Design**: Participated in drafting interview questions; focused on client feedback to refine requirements.
- **Background Research**: Identified complementary tools; conducted proactive research, overcoming challenges of limited public information.
- **Coding and Testing**: Played a critical role in unit and integration testing, ensuring robustness and reliability of the B-Assist tool.
- **Documentation**: Created comprehensive Tutti documentation; adapted content to evolving tool features.
- **Quality Assurance**: Conducted thorough proofreading and quality checks under tight deadlines.

IFRC (The International Federation of Red Cross and Red Crescent Societies) & UCL – Student Developer (*November 2022 – April 2023***)** Instrumental in front-end development; Led the documentation efforts, organizing project reports; Managed project tracking using Trello; Collaborated with cross-functional teams to maintain code integration and ensure seamless front-end to back-end compatibility.

IBM & Nova Scotia Community College - Virtual Work Placement (*June – July 2020***)**
Developed a mobile application for iOS and Android to address flood-related issues. Involved in daily scrum meetings and prepared weekly progress reports.

Nova Scotia Community College – Student developer (*April – May 2019***)** Engaged in a multitasking project, developed GPS tracker using Arduino and C&C++, and reprogrammed a virtual presence robot.

Awards or Achievements

Housing Crisis Hackathon – Dalhousie University (Shiftkey Lab) (Nov 2021) – won No.1
International Business & Entrepreneurship Centre Data Challenge – University of New Brunswick (November 2019) – Final round
freeCodeCamp.org Certifications: Front End Libraries, JavaScript Algorithms and Data Structures, Data Visualization, Responsive Web Design
Certification of Completing Java Foundation course on Oracle Academy

Volunteer Experience

Feed Nova Scotia (*March 2019; December 2019*)   Volunteer for caring young children (*April – May 2016*)
Light the Night Walk (*October 2015*)   Volunteer for promoting vegetarian diet (*July 2015*)

Technical Skills

Programming Languages: Python, Java (OOP), JavaScript (ES5, ES6, ReactJS), PHP
Databases & Tools: PL/SQL, MySQL, Oracle Database (SQL Plus, SQL Developer)
Other Skills: Data Visualization (Tableau, SAP Cloud Analytics, R), HTML5/CSS3, Linux OS, Arduino, Development, Android development, ERD, XML, Azure DevOps, Jira, Trello, Git (GitLab, GitHub), Docker
Project Management skills: Agile, Scrum, TDD